

Hex Nuts & Metric Hex Nuts

For information about nut materials, see page 2984.

High Hex Nuts



Also known as extension nuts, these fully threaded nuts are perfect for threaded rod, leveling feet, jig fixtures, and spacing applications. They're also useful for connecting studs to increase length. Made of Grade 8 plain steel except for screw size 3/8"-24, which is made of Grade 5 plain steel.

| Screw Size | Lg. | Wd. | Pkg. Qty. | Per Pkg. | Screw Size | Lg. | Wd. | Pkg. Qty. | Per Pkg. |
|------------|---------|---------|-----------|------------------|------------|---------|----------|-----------|------------------|
| 3/8"-24 | 1 1/32" | 9/16" | 25 | 90565A320 \$3.41 | 3/4"-16 | 1" | 1 1/8" | 10 | 90565A340 \$7.60 |
| 7/16"-20 | 39/64" | 5/8" | 25 | 90565A325 6.45 | 7/8"-14 | 1 5/32" | 1 5/16" | 5 | 90565A345 5.65 |
| 1/2"-20 | 1 1/16" | 3/4" | 25 | 90565A330 8.13 | 1"-14 | 1 5/16" | 1 7/16" | 5 | 90565A350 8.39 |
| 9/16"-18 | 49/64" | 7/8" | 10 | 90565A333 3.71 | 1 1/4"-12 | 1 5/8" | 1 13/16" | 1 | 90565A355 5.54 |
| 5/8"-18 | 2 1/32" | 1 5/16" | 10 | 90565A335 4.65 | 1 1/2"-12 | 2" | 2 3/16" | 1 | 90565A061 17.92 |

Metric Hex Nuts—DIN 934



Dimensions for Metric Hex Nuts—Conform to DIN 934 (unless noted)

| Screw Size | Pitch, mm | Wd., mm | Ht., mm | Screw Size | Pitch, mm | Wd., mm | Ht., mm | Screw Size | Pitch, mm | Wd., mm | Ht., mm | Screw Size | Pitch, mm | Wd., mm | Ht., mm |
|------------|-----------|---------|---------|------------|-----------|---------|---------|------------|-----------|---------|---------|------------|-----------|---------|---------|
| M1.6 | 0.35 | 3.2 | 1.3 | M4 | 0.7 | 7 | 3.2 | M12 | 1.75 | 19 | 10 | M24 | 3 | 36 | 19 |
| M2 | 0.4 | 4 | 1.6 | M5 | 0.8 | 8 | 4 | M14 | 2 | 22 | 11 | M30 | 3.5 | 46 | 24 |
| M2.5 | 0.45 | 5 | 2 | M6 | 1 | 10 | 5 | M16 | 2 | 24 | 13 | M36 | 4 | 55 | 29 |
| M2.6 | 0.45 | 5 | 2 | M7 | 1 | 11 | 5.5 | M18 | 2.5 | 27 | 15 | M42 | 4.5 | 65 | 34 |
| M3 | 0.5 | 5.5 | 2.4 | M8 | 1.25 | 13 | 6.5 | M20 | 2.5 | 30 | 16 | M48 | 5 | 75 | 38 |
| M3.5 | 0.6 | 6 | 2.8 | M10 | 1.5 | 17 | 8 | M22 | 2.5 | 32 | 18 | | | | |

The most popular metric hex nut. All conform to DIN 934, unless noted. **Also Available:** All sizes of Metric Class 6 and Class 8 zinc-plated steel nuts are available in plain steel. Please ask for 90592A555 and specify screw size.

| 18-8 Stainless Steel | | Type 316 Stainless Steel | | Class 10 Black-Phosphate Steel | | Class 10 Zinc Yellow-Chromate-Plated Steel | | Class 6/8 Zinc-Plated Steel | |
|----------------------|-----------|--------------------------|-----------|--------------------------------|-----------|--|-----------|-----------------------------|-----------|
| Screw Size | Pkg. Qty. | Per Pkg. | Pkg. Qty. | Per Pkg. | Pkg. Qty. | Per Pkg. | Pkg. Qty. | Per Pkg. | Pkg. Qty. |
| M1.6 | 25 | 91828A006 \$10.60 | | | | | | | |
| M2 | 100 | 91828A111 2.55 | 50 | 94150A305 \$4.71 | | | | | 100 |
| M2.5 | 100 | 91828A113 3.79 | 50 | 94150A310 6.43 | | | | | 100 |
| M2.6 | | | | | | | | | 100 |
| M3 | 100 | 91828A211 3.86 | 50 | 94150A325 2.09 | 25 | 90685A037 \$6.36 | 50 | 92497A200 \$9.79 | 100 |
| M3.5 | 100 | 91828A220 8.97 | 50 | 94150A330 10.54 | | | | | 100 |
| M4 | 100 | 91828A231 4.48 | 50 | 94150A335 2.71 | 100 | 90685A039 6.36 | 100 | 92497A250 8.62 | 100 |
| M5 | 100 | 91828A241 5.55 | 50 | 94150A340 3.50 | 100 | 90685A041 4.55 | 100 | 92497A300 4.83 | 100 |
| M6 | 100 | 91828A251 6.48 | 50 | 94150A345 5.24 | 100 | 90685A043 4.57 | 100 | 92497A350 5.07 | 100 |
| M7 | 50 | 91828A255 12.33 | | | | | | | 100 |
| M8 | 50 | 91828A410 7.79 | 50 | 94150A355 12.86 | 100 | 90685A045 6.91 | 100 | 92497A400 9.34 | 100 |
| M10 | 25 | 91828A415 7.04 | 20 | 94150A358 12.78 | 100 | 90685A046 13.62 | 50 | 92497A450 10.31 | 100 |
| M12 | 25 | 91828A420 8.29 | 10 | 94150A360 7.31 | 50 | 90685A110 10.43 | 25 | 92497A500 8.03 | 100 |
| M14 | 10 | 91828A425 6.79 | 5 | 94150A363 5.01 | 25 | 90685A115 7.19 | 10 | 92497A550 5.63 | 50 |
| M16 | 10 | 91828A430 8.48 | 5 | 94150A365 9.42 | 25 | 90685A120 10.29 | 10 | 92497A600 6.63 | 50 |
| M18 | 5 | 91828A435 6.18 | 1 | 94150A368 3.18 | 20 | 90685A125 13.33 | 10 | 92497A650 10.84 | 25 |
| M20 | 5 | 91828A440 8.45 | 1 | 94150A370 3.38 | 20 | 90685A130 14.40 | 5 | 92497A700 6.80 | 25 |
| M22 | 1 | 91828A442 3.32 | 1 | 94150A372 4.81 | | | 5 | 92497A750 9.18 | |
| M24 | 1 | 91828A316 3.84 | 1 | 94150A373 5.41 | 5 | 90685A060 8.81 | 1 | 92497A800 2.03 | 10 |
| M30 | 1 | 91828A445 8.91 | 1 | 94150A376 12.00 | 1 | 90685A070 3.38 | 1 | 92497A850 5.17 | 1 |
| M36 | 1 | 91828A450 16.06 | 1 | 94150A379 22.13 | 1 | 90685A080 8.13 | 1 | 92497A900 8.28 | 1 |
| M42 | 1 | 91828A465 30.04 | 1 | 94150A389 40.85 | | | | | |
| M48 | 1 | 91828A480 32.73 | 1 | 94150A397 62.93 | | | | | |

| Brass | | | Off-White Nylon 6/6 | | | | | | | | |
|------------|-----------|------------------|---------------------|-----------|-------------------|---------|-----------|----------|-------|-----|------------------|
| Screw Size | Pkg. Qty. | Per Pkg. | Screw Size | Pitch, mm | Wd., mm | Ht., mm | Pkg. Qty. | Per Pkg. | | | |
| M2 | 100 | 90690A030 \$3.79 | M10 | 25 | 90690A059 \$11.36 | M2 | 0.4 | 3.9 | 1.2 | 100 | 93800A112 \$9.11 |
| M2.5 | 100 | 90690A035 4.14 | M12 | 10 | 90690A063 6.06 | M2.5 | 0.45 | 4.9 | 1.8 | 100 | 93800A114 9.56 |
| M2.6 | 50 | 90690A026 7.38 | M14 | 5 | 90690A064 6.06 | M3 | 0.5 | 5.4 | 2.2 | 100 | 93800A116 9.15 |
| M3 | 100 | 90690A037 3.79 | M16 | 5 | 90690A060 8.62 | M3.5 | 0.6 | 6.9 | 2.7 | 100 | 93800A120 9.56 |
| M3.5 | 100 | 90690A036 8.62 | M18 | 1 | 90690A065 3.00 | M4 | 0.7 | 6.9 | 3.0 | 100 | 93800A127 9.14 |
| M4 | 100 | 90690A044 5.17 | M20 | 1 | 90690A070 2.67 | M5 | 0.8 | 7.9 | 4.3 | 100 | 93800A136 9.32 |
| M5 | 100 | 90690A046 7.41 | M24 | 1 | 90690A080 6.36 | M6 | 1.0 | 10.0 | 5.4 | 100 | 93800A141 9.69 |
| M6 | 100 | 90690A047 13.79 | M30 | 1 | 90690A090 12.59 | M8 | 1.25 | 12.9 | 6.4 | 100 | 93800A154 12.52 |
| M7 | 25 | 90690A052 9.48 | M36 | 1 | 90690A110 48.48 | M10 | 1.5 | 14.8 | 9.8 | 100 | 93800A163 14.92 |
| M8 | 50 | 90690A055 12.12 | | | | M12 | 1.75 | 17.74 | 10.54 | 10 | 93800A200 5.95 |

◆ Does not conform to DIN 934.

Metric Hex Nut Assortments—DIN 934

| 18-8 Stainless Steel—600 nuts in eight sizes. Includes 100 each: M2, M3, M4, M5, and M6; 50 each: M8; 25 each: M10 and M12. Not rated for Rockwell hardness. | Class 8 Zinc-Plated Steel—720 nuts in 13 sizes (nine standard thread; four special fine thread). Includes 100 each: M3-0.5, M4-0.7, M5-0.8, M6-1; 50 each: M8-1, M8-1.25, M10-1, M10-1.25, M10-1.5; 25 each: M12-1.75, M16-1.5; 10 each: M16-2, M20-2.5. Not rated for Rockwell hardness. | Class 8 Plain Steel—215 nuts in six sizes. Includes 40 each: M4 and M5; 50 each: M8; 35 each: M6; 30 each: M7; 20 each: M10. |
|--|---|--|
| Assortment is furnished in an 11" Lg. x 6 3/4" Wd. x 1 3/4" Dp. compartmented plastic case with lid chart. | Assortment is furnished in a 13 1/8" Lg. x 9" Wd. x 2 5/16" Dp. compartmented plastic case with lid chart. | Assortment is furnished in an 8 1/4" Lg. x 4 1/2" Wd. x 1 3/8" Dp. compartmented plastic case. |
| 98185A414 Each \$46.64 | 98188A412 Each \$57.46 | 98566A131 Each \$54.85 |

Tightening Torque Guides

| Inch Guide—This 22-page reference guide lists the torque requirements for tightening nuts made from grades 2, 5, and 8 steel as well as alloys A307, A449, and A354. Torques are also broken down by seven commonly offered finishes. Guide is 7 3/4" Ht. x 3 1/2" Wd. | Metric Guide—This 42-page reference guide lists the torque requirements for tightening metric nuts made from class 4.8, 8.8, 9.8, 10.9, and 12.9 steel as well as alloys A325M and A490M. Torques are also broken down by seven commonly offered finishes. Guide is 7 3/4" Ht. x 3 1/2" Wd. |
|--|---|
| 90662A020 Each \$6.36 | 90662A040 Each \$6.36 |